

Photosynthesis Notes: 2/28/11

Cells and Heredity
pages 44-47

Photosynthesis: The process plants go through to make their own food (sugar.)

Autotroph - gets energy directly from the sun --->plants

Heterotrophs - get energy indirectly from the sun
ex: zebra, lion, people

Stage 1 of Photosynthesis: Capturing Sunlight Energy

Chloroplasts, which contain the colored absorbing pigment called chlorophyll, absorb energy from the sun.

Stage 2 of Photosynthesis

1. Carbon Dioxide enters the leaf through the stomata, tiny openings on the bottom of the leaf.
2. Water enters the leaf through the roots and stem.
3. A chemical reaction occurs between the sun's energy, the carbon dioxide and the water to produce glucose, a sugar that the plant uses for food.